

# Comparisons of Job Characteristics

**Focus Occupation:** [Model Makers, Metal and Plastic \(51-4061\)](#)

**Associated Occupation:** [Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic \(51-4021\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

## Knowledge

Similarity of Focus Occupation to Associated Occupation: 69

**Focus Occupation:** Model Makers, Metal and Plastic (51-4061)

**Associated Occupation:** Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic (51-4021)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Education and Training	9.2	13.6	6.5	<<	Extensive education and/or training may be required
Mechanical	6.8	13.4	16.9	>>	Current knowledge level is likely more than sufficient
Production and Processing	6.0	9.6	12.5	>>	Current knowledge level is likely more than sufficient
Chemistry	4.8	8.6	3.0	<<	Extensive education and/or training may be required
Sociology and Anthropology	4.1	7.4	1.1	<<	Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Skills

Similarity of Focus Occupation to Associated Occupation: 87

**Focus Occupation:** Model Makers, Metal and Plastic (51-4061)

**Associated Occupation:** Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic (51-4021)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Operation Monitoring	6.6	11.9	9.7	<	A higher skill level may be required
Operation and Control	5.4	10.2	10.6	0	Current skill level may be sufficient
Quality Control Analysis	5.9	10.2	9.8	0	Current skill level may be sufficient
Troubleshooting	4.5	7.7	8.4	0	Current skill level may be sufficient
Repairing	3.4	7.6	6.2	<	A higher skill level may be required
Equipment Maintenance	3.5	7.4	6.7	<	A higher skill level may be required
Equipment Selection	3.3	7.1	8.0	>	Skill level is likely sufficient

Installation	1.7	5.1	2.0	<<	Extensive development of skills in this area may be required
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The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Abilities

Similarity of Focus Occupation to Associated Occupation: 76

**Focus Occupation: Model Makers, Metal and Plastic (51-4061)**

**Associated Occupation: Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic (51-4021)**

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Control Precision	6.6	12.2	10.7	<	Some improvement in abilities may be required
Reaction Time	4.8	11.9	11.6	0	Current ability level may be sufficient
Multilimb Coordination	6.0	11.0	9.5	<	Some improvement in abilities may be required
Trunk Strength	5.7	10.3	7.5	<<	Extensive improvement in abilities may be required
Visual Color Discrimination	6.4	10.1	6.1	<<	Extensive improvement in abilities may be required
Auditory Attention	5.9	9.2	9.1	0	Current ability level may be sufficient
Rate Control	3.8	9.2	8.2	<	Some improvement in abilities may be required
Stamina	4.0	7.9	5.2	<<	Extensive improvement in abilities may be required
Speed of Limb Movement	3.2	6.9	1.9	<<	Extensive improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 87

**Focus Occupation: Model Makers, Metal and Plastic (51-4061)**

**Associated Occupation: Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic (51-4021)**

Work Activities	Exclusivity of Activity
Adjust production equipment/machinery setup	25
Examine products or work to verify conformance to specifications	15
Operate metal or plastic fabricating equipment/machinery	54
Perform safety inspections in manufacturing or industrial setting	33
Read specifications	23
Read technical drawings	7
Set up production equipment or machinery	51
Understand technical operating, service or repair manuals	6
Use precision measuring tools or equipment	17

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Tools and Technologies that Both Occupations Have in Common

Similarity of Focus  
Occupation to Associated  
Occupation: n/a

**Focus Occupation: Model Makers, Metal and Plastic (51-4061)**

**Associated Occupation: Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic (51-4021)**

Tools and Technologies	Exclusivity
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Tools and technology data is unavailable for one or both occupations.	
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Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.